

FIG. 1

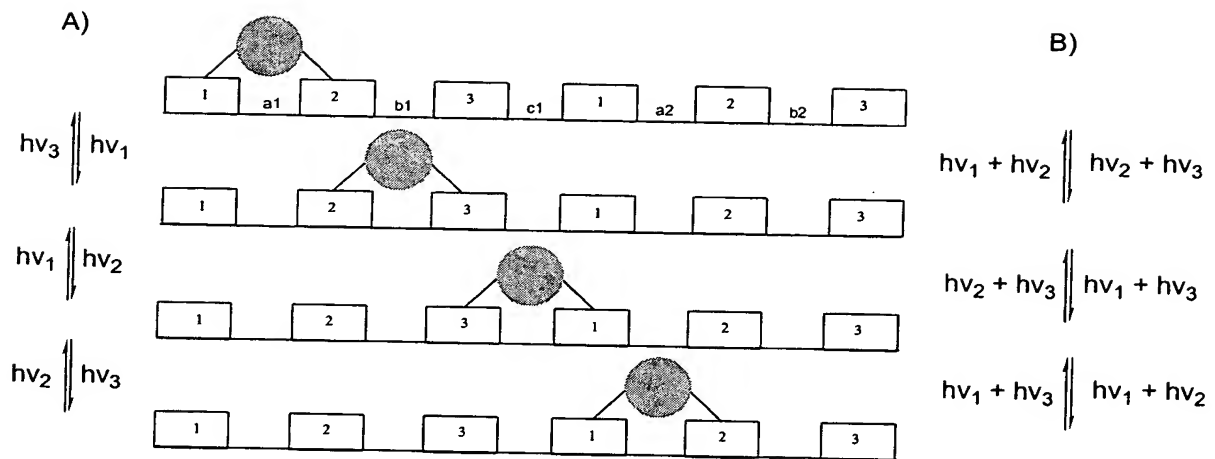


FIG. 2

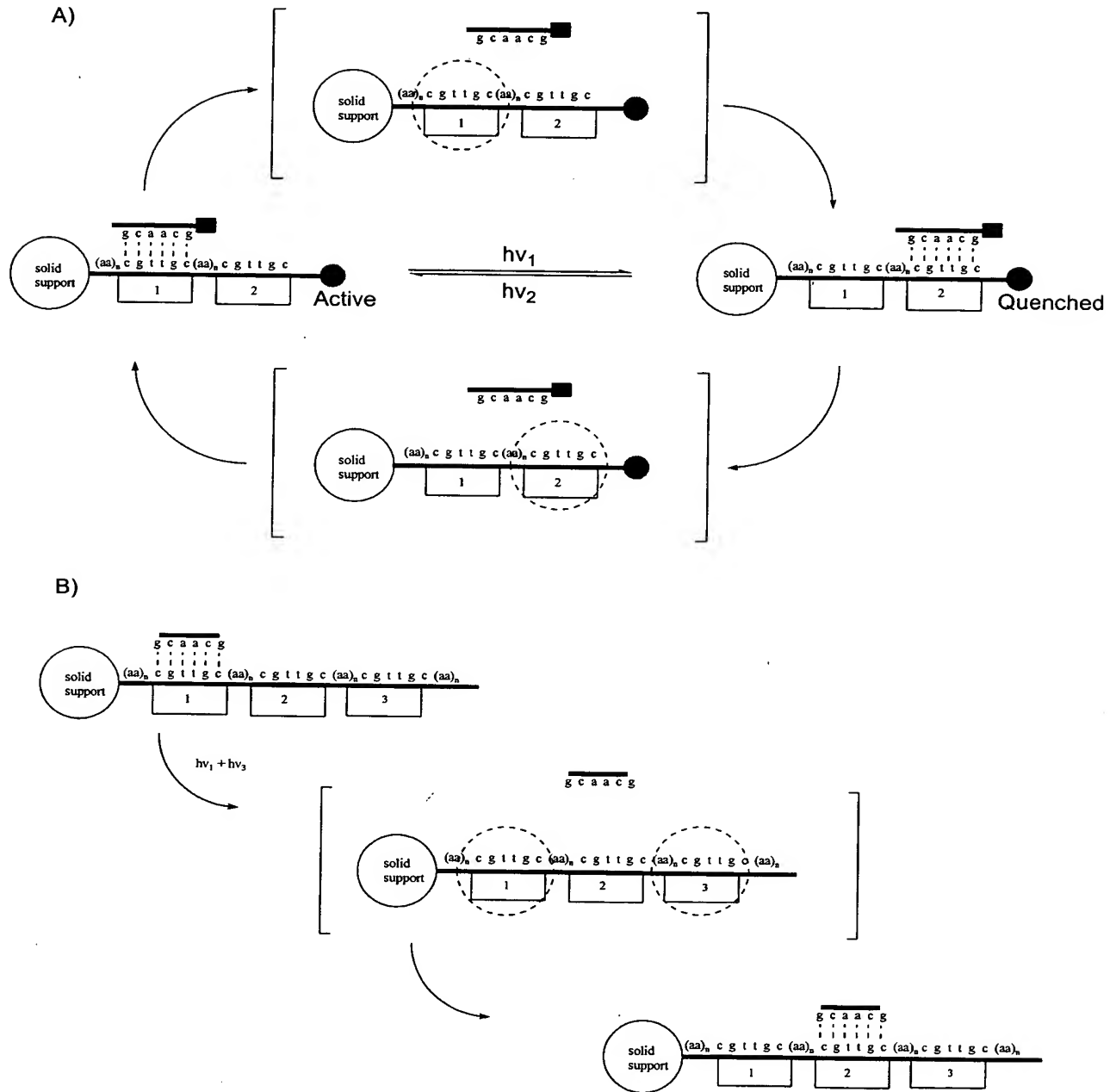


FIG. 3

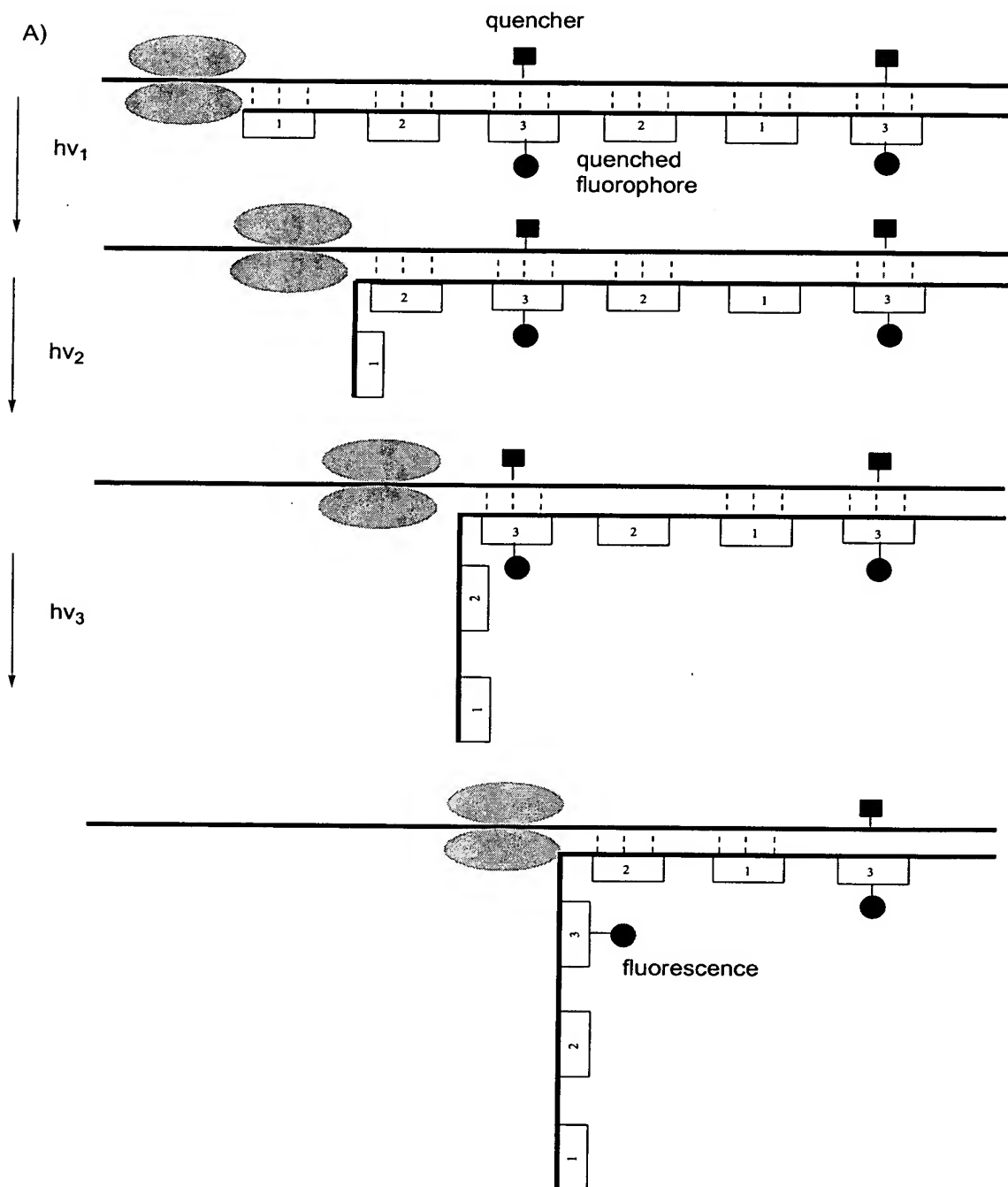


FIG. 4a

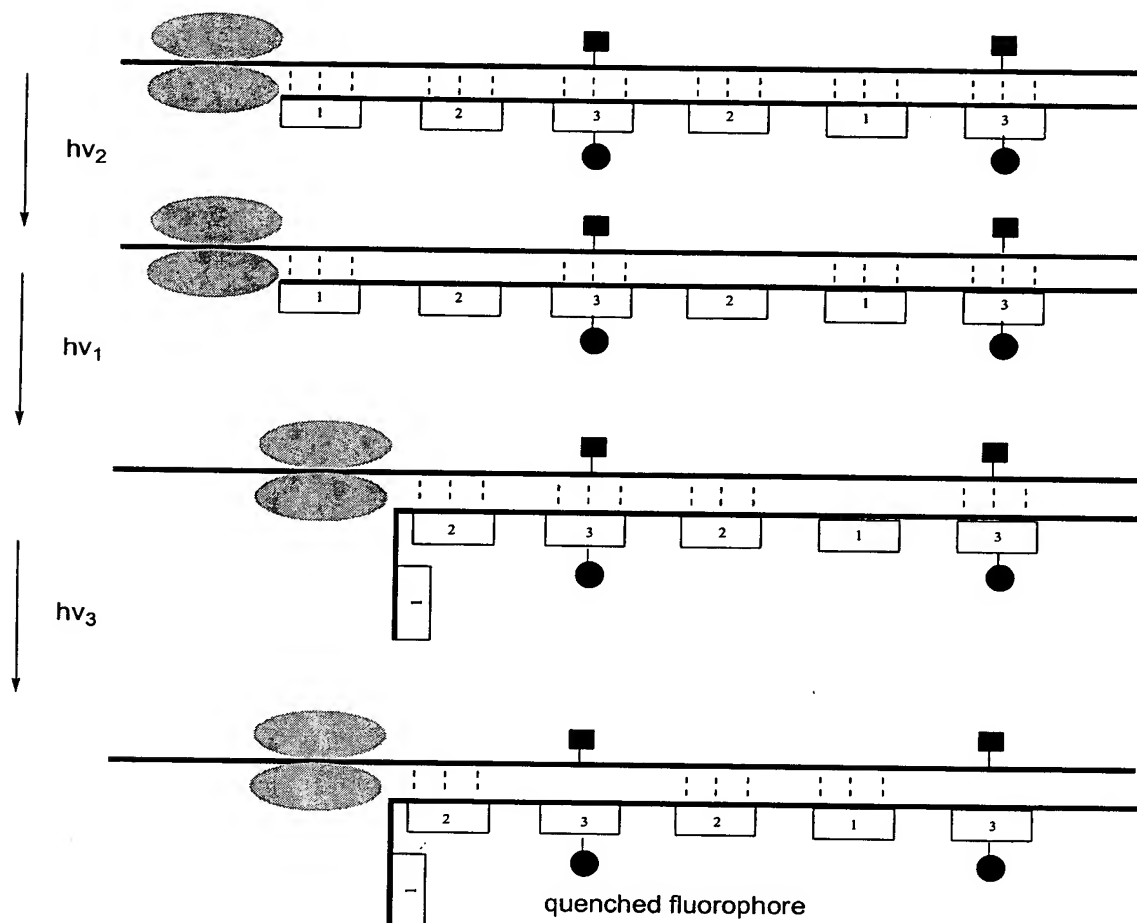
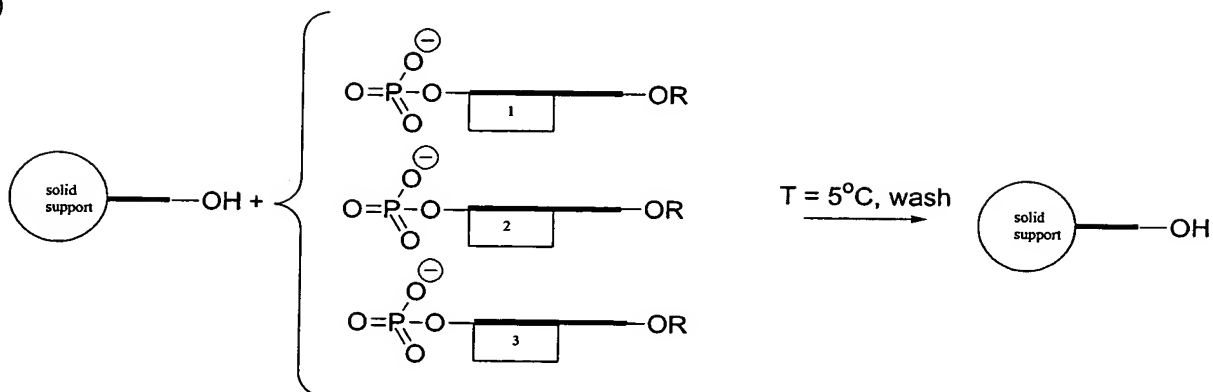


FIG. 4b

A)



B)

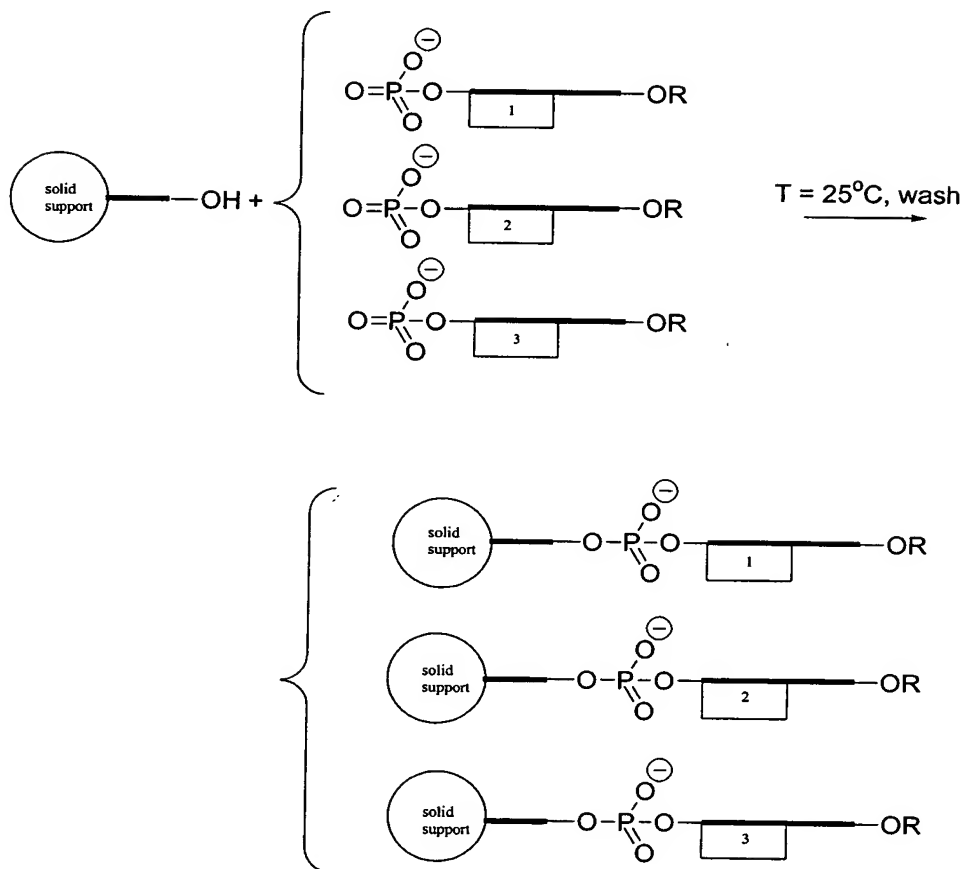


FIG. 5 a and b

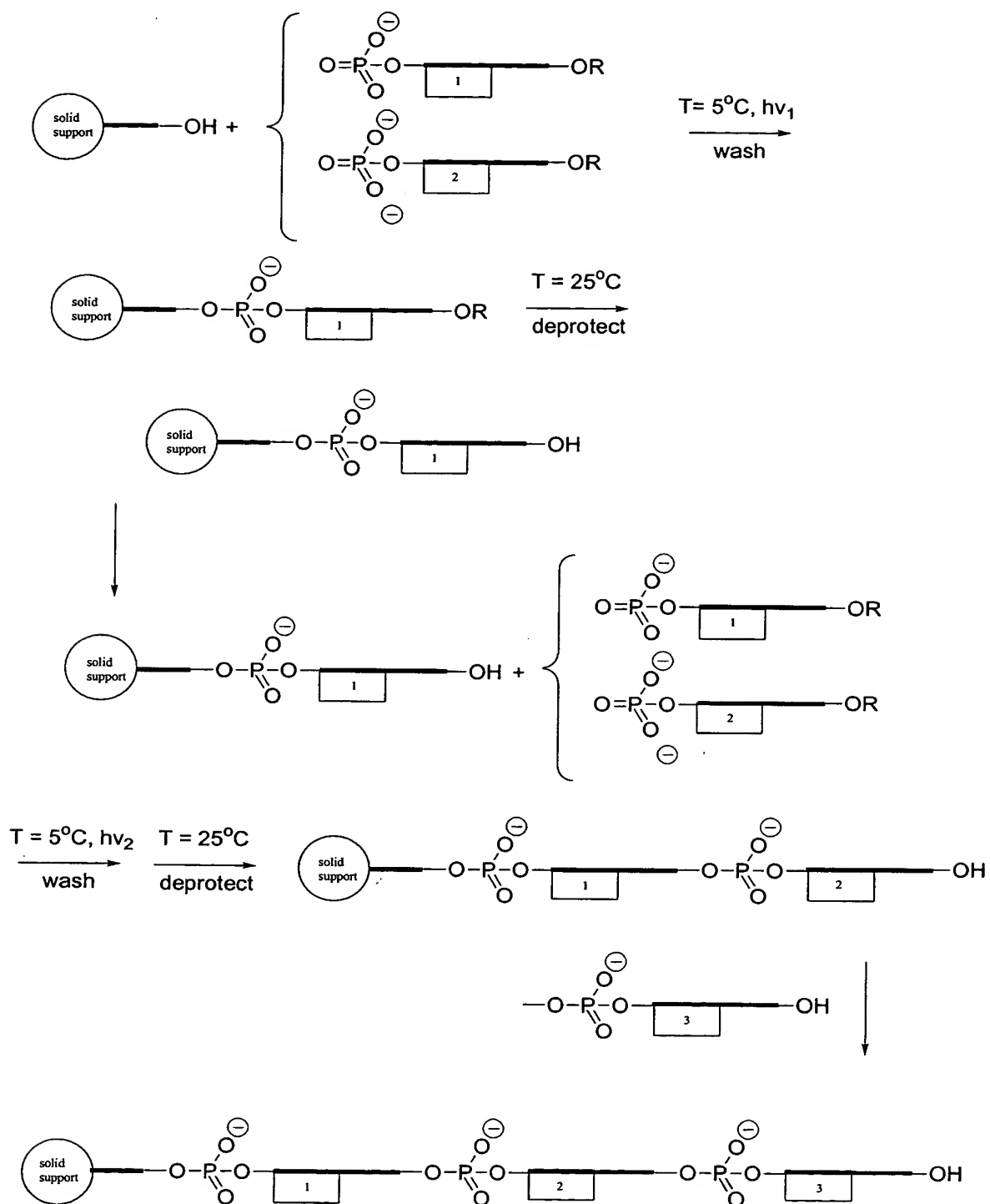


FIG. 5c

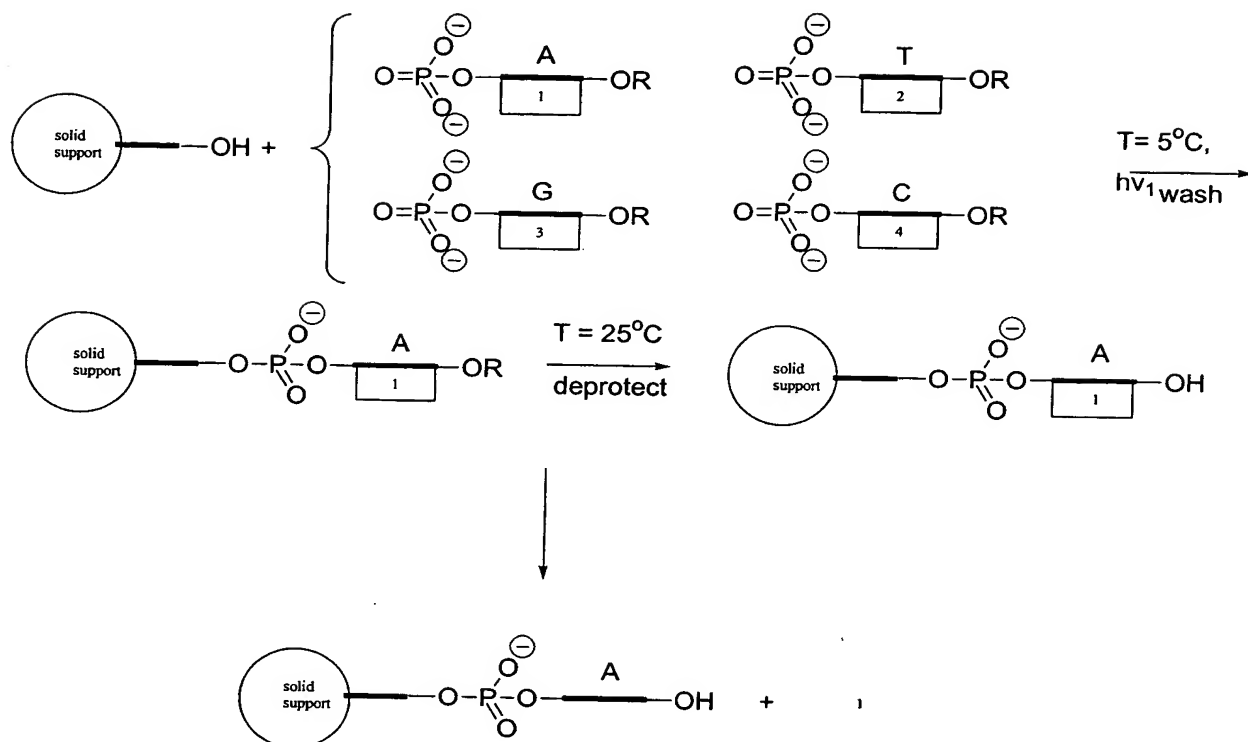


FIG. 5d

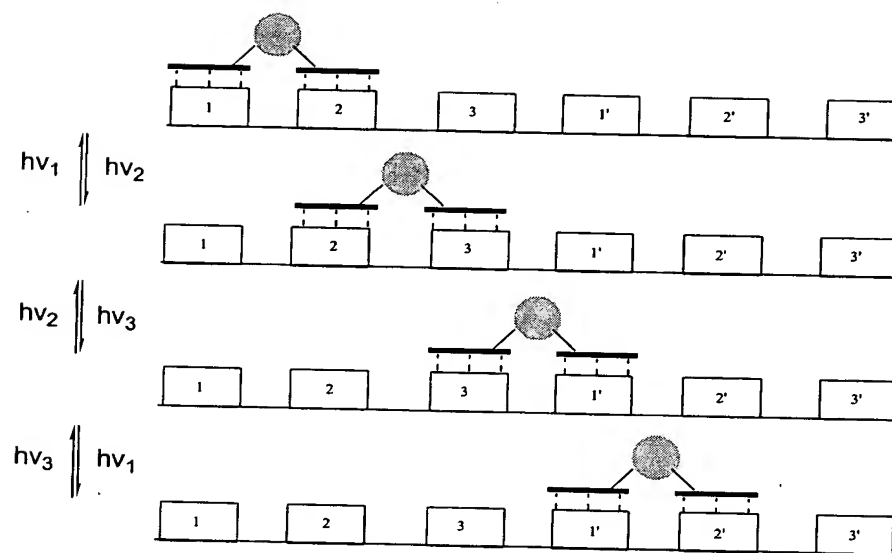
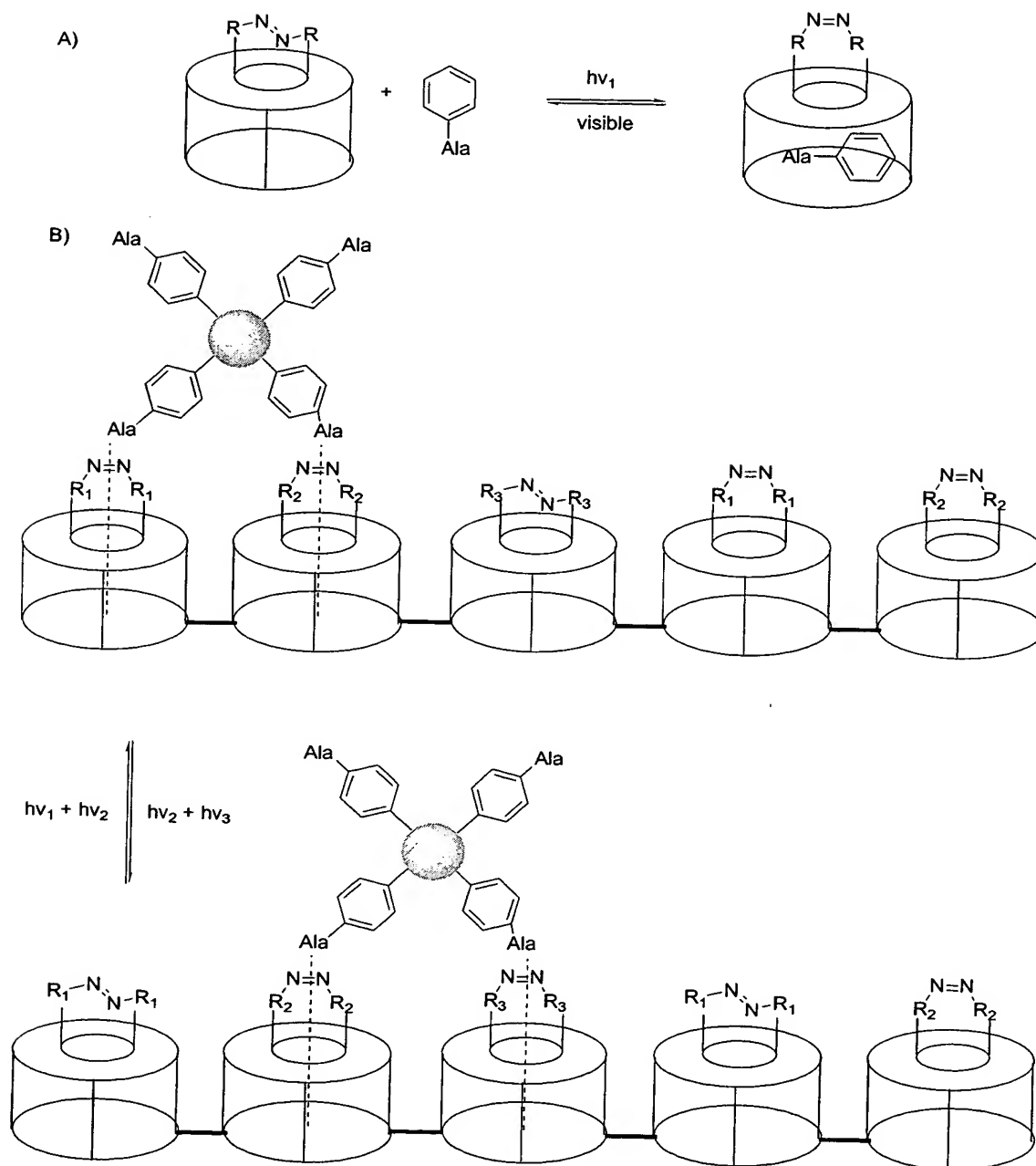


FIG. 6



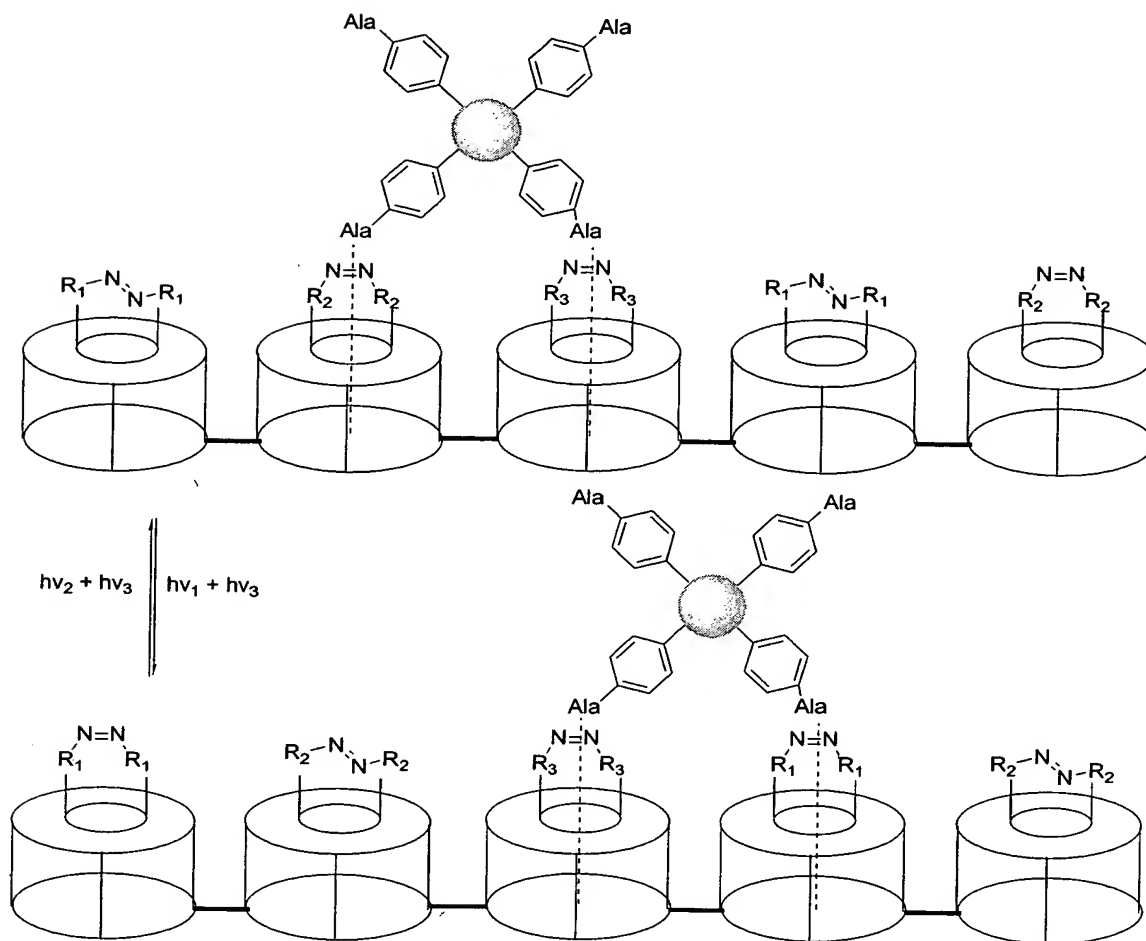


FIG. 7

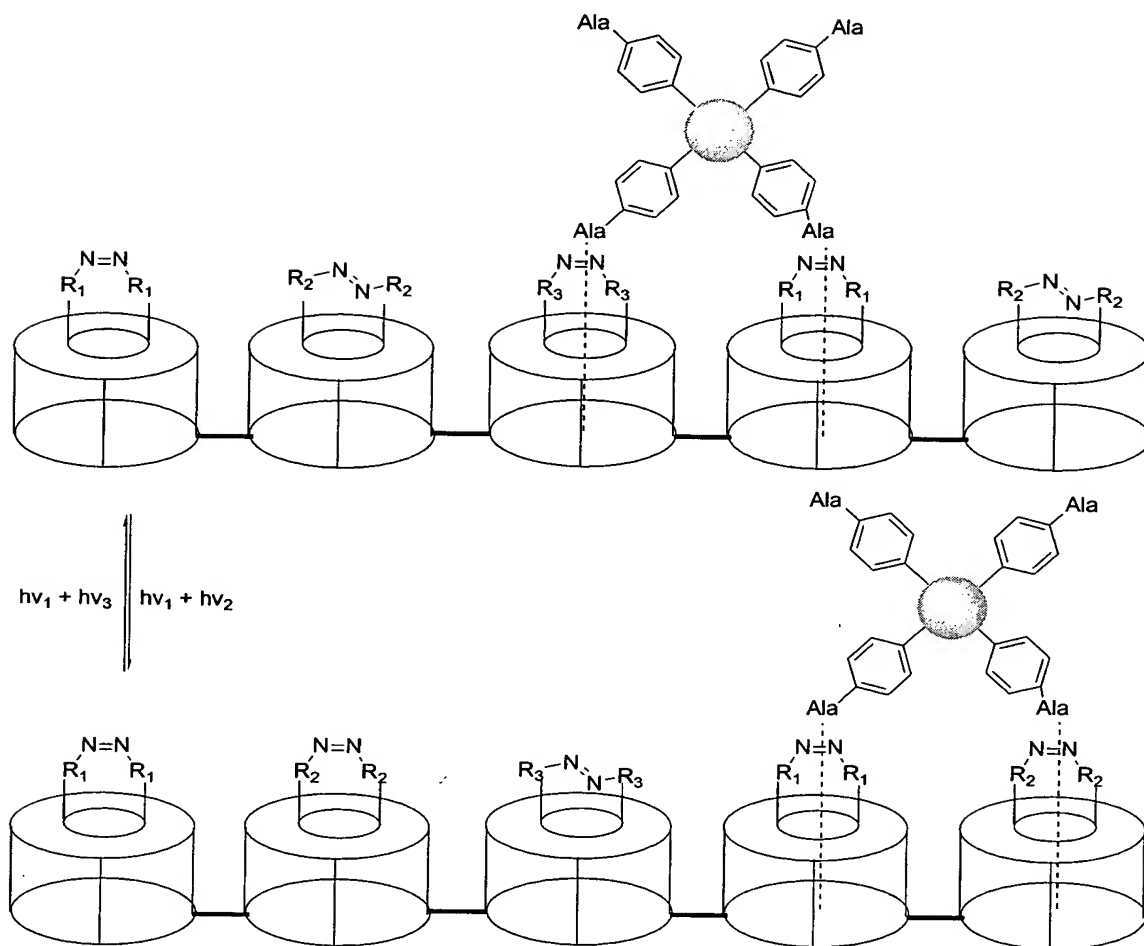


FIG. 7

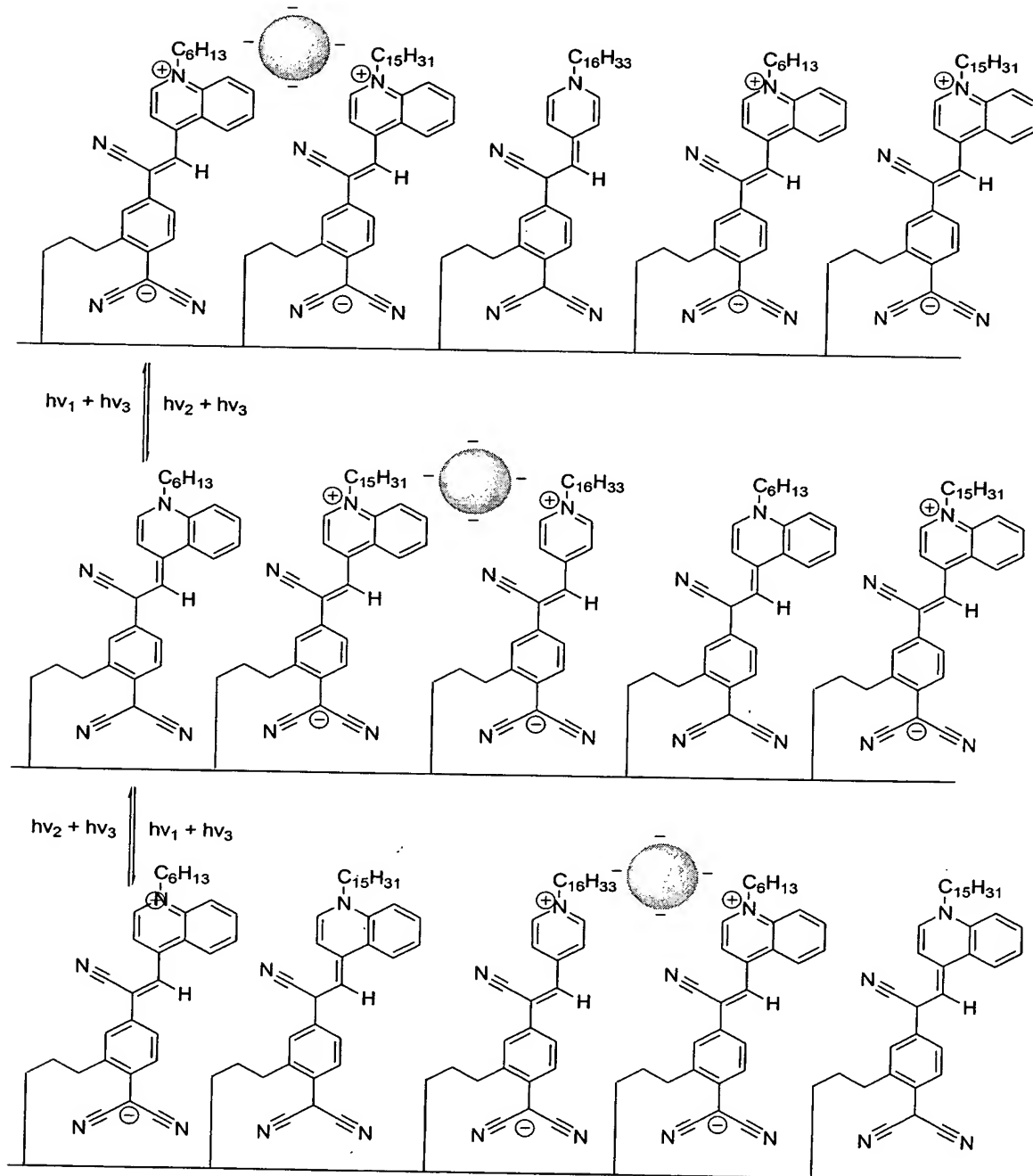


FIG. 8

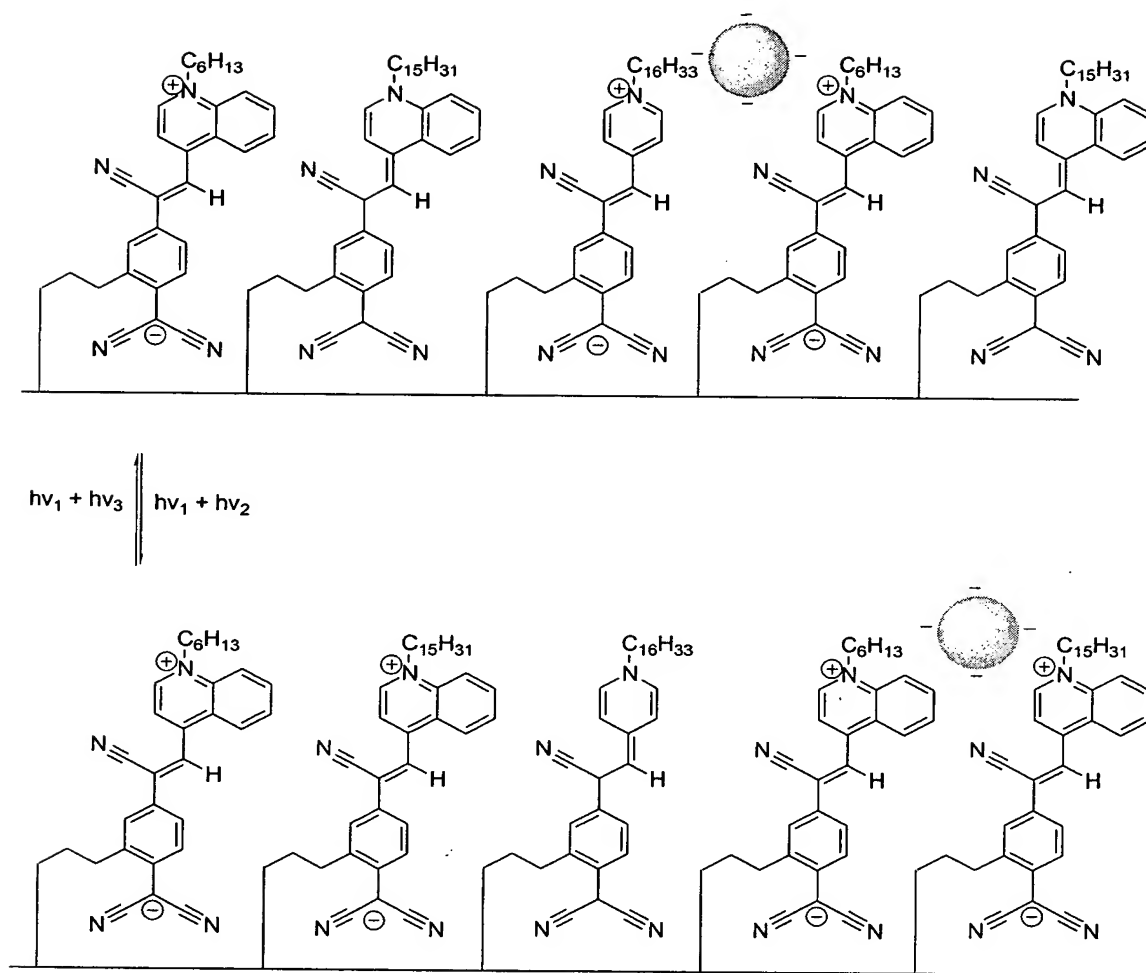


FIG. 8

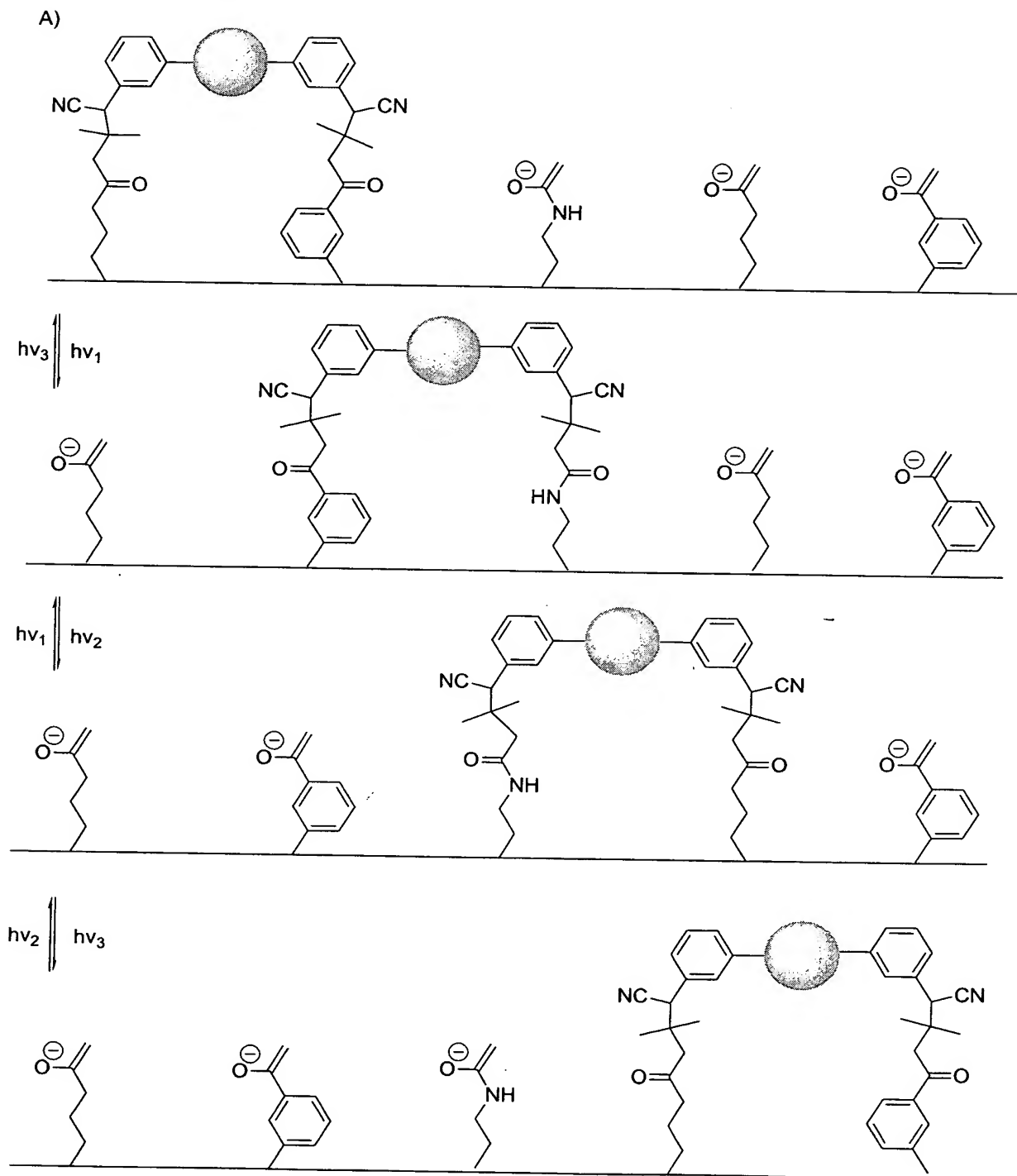


FIG. 9a

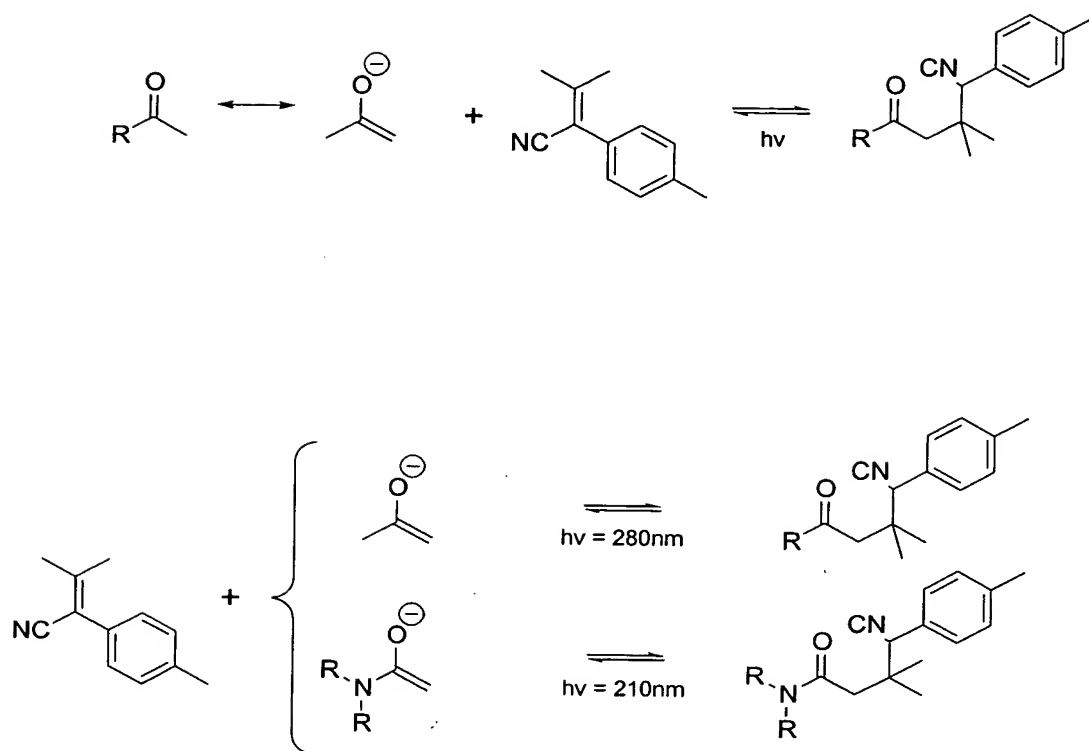


FIG. 9b

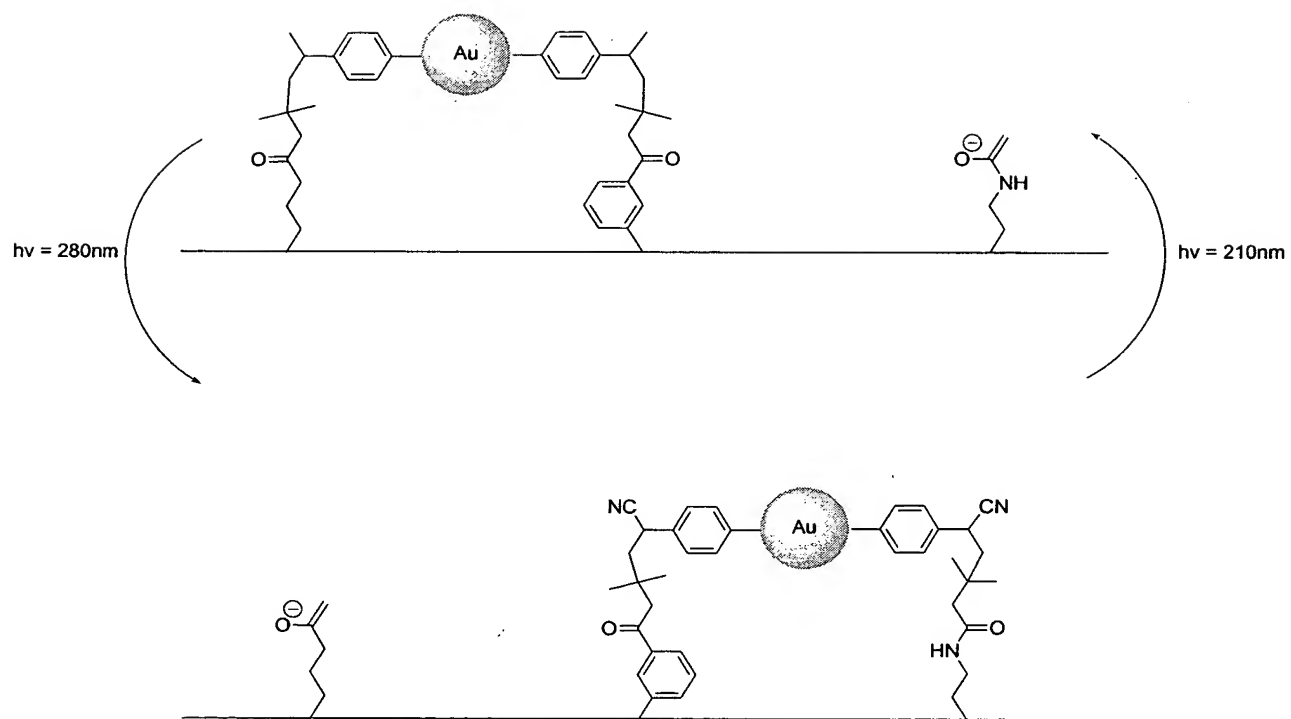


FIG. 9c

A)

Functionality of protein-DNA interaction versus pH conditions

Protein	Acid	Neutral	Base
1	Active	Inactive	Inactive
2	Inactive	Active	Inactive
3	Inactive	Inactive	Active

B)

Functionality of protein-DNA interactions versus pH conditions for protein combinations

Protein combination	Acid	Neutral	Base
1 + 2	Active	Active	Inactive
1 + 3	Active	Inactive	Active
2 + 3	Inactive	Active	Active

FIG. 10 a and b

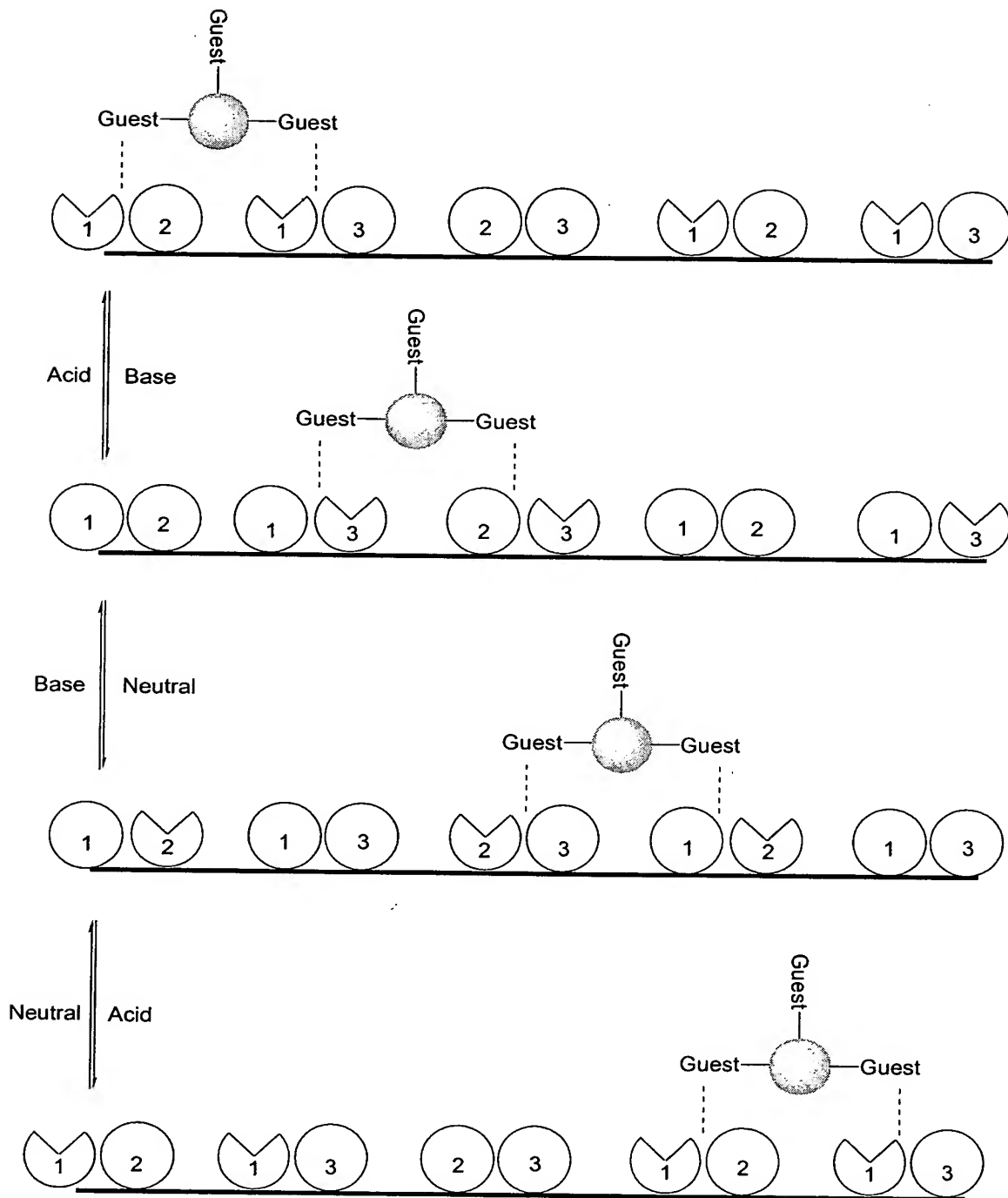


FIG. 10c

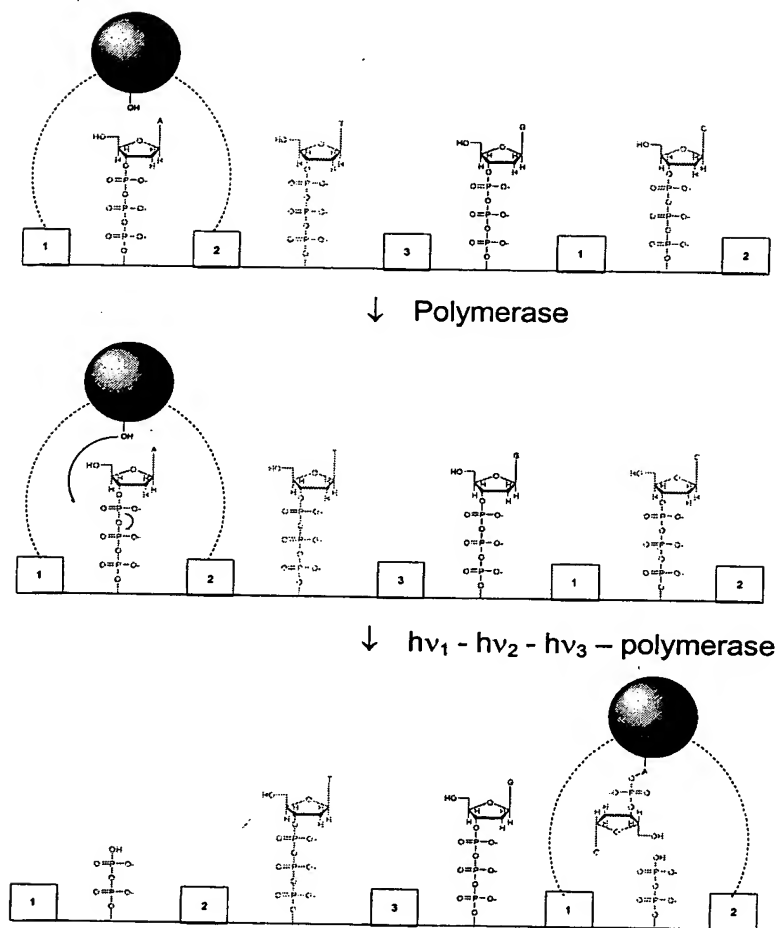


FIG. 11

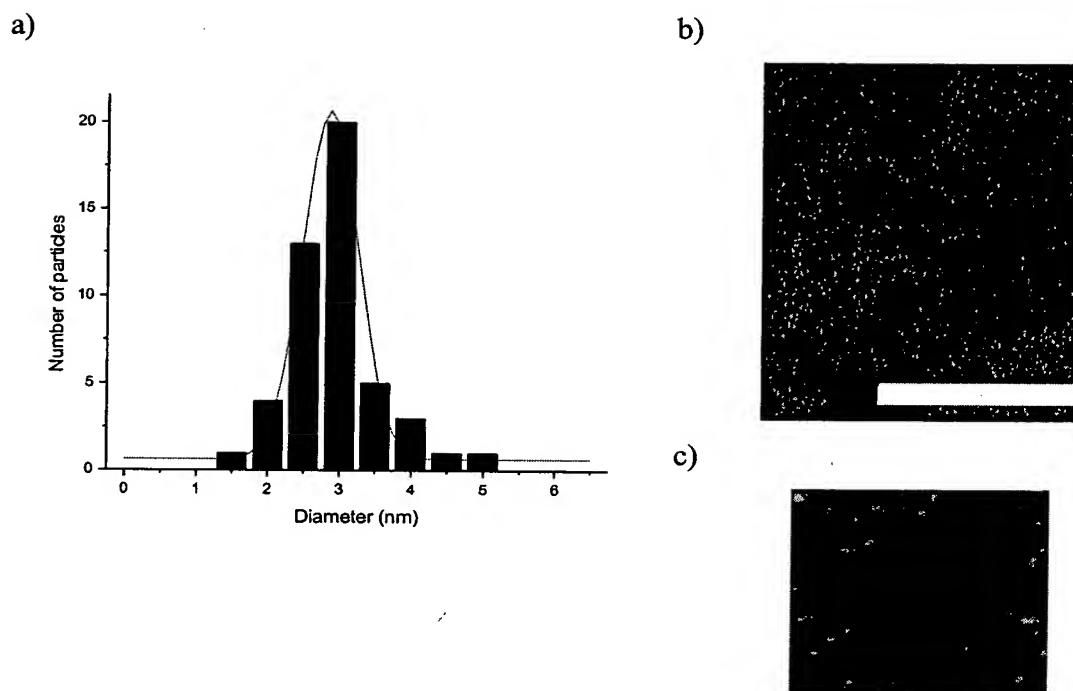


FIG. 12

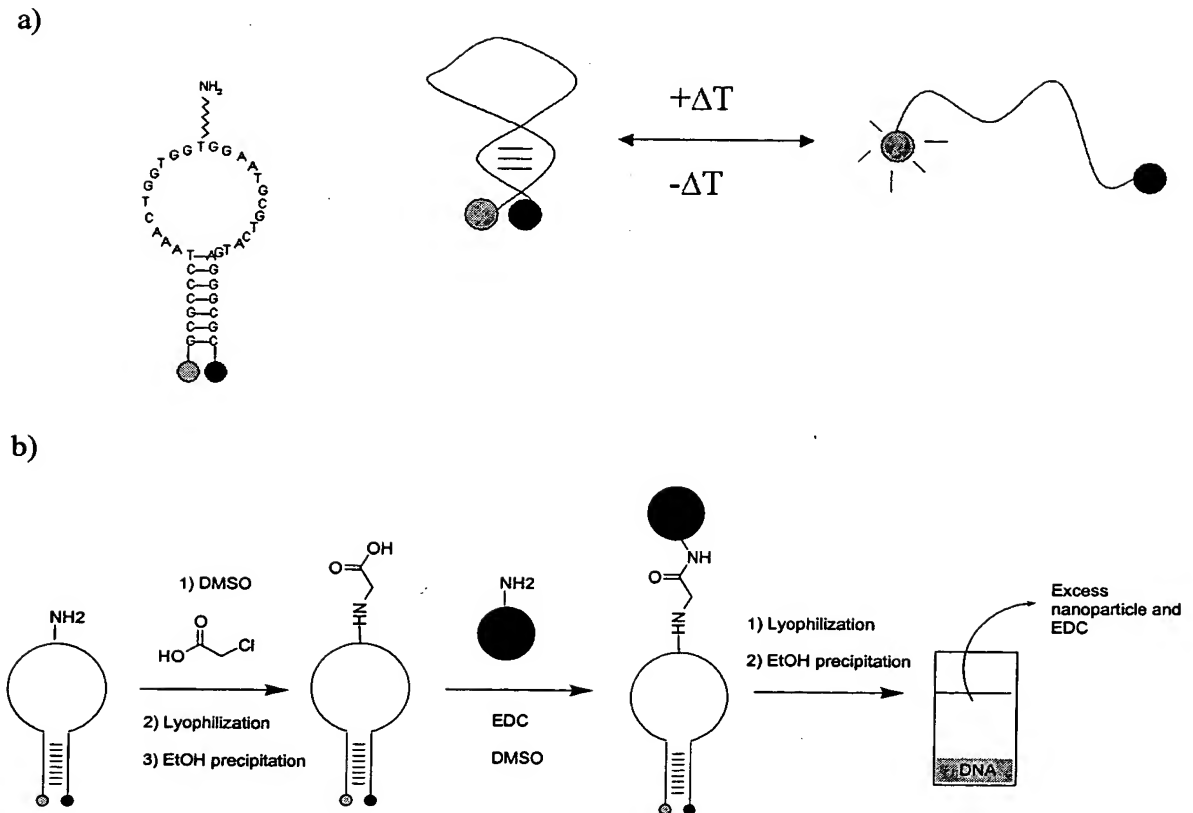
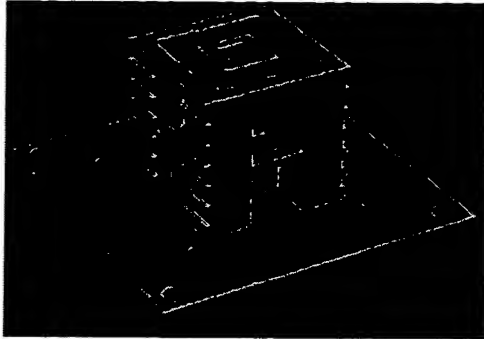


FIG. 13

a)



b)

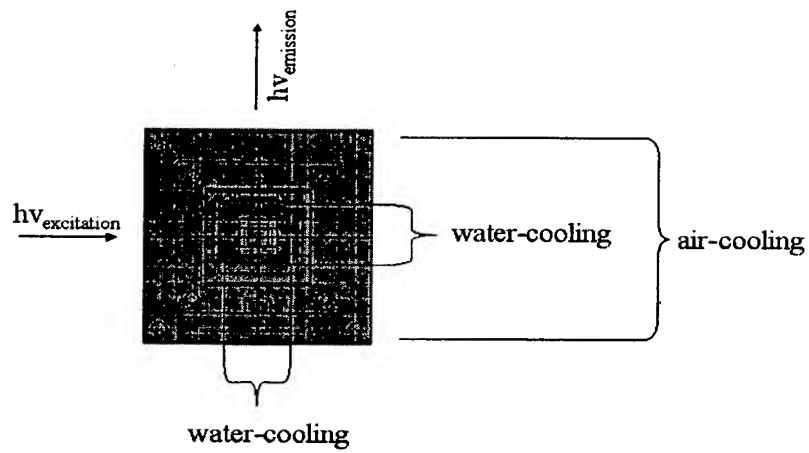
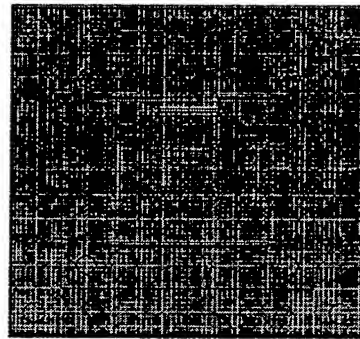


FIG. 14

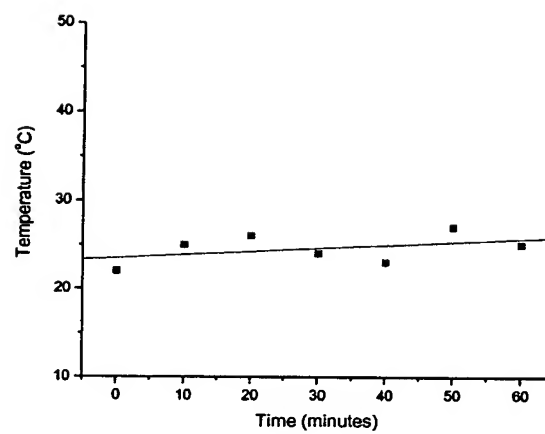


FIG. 15

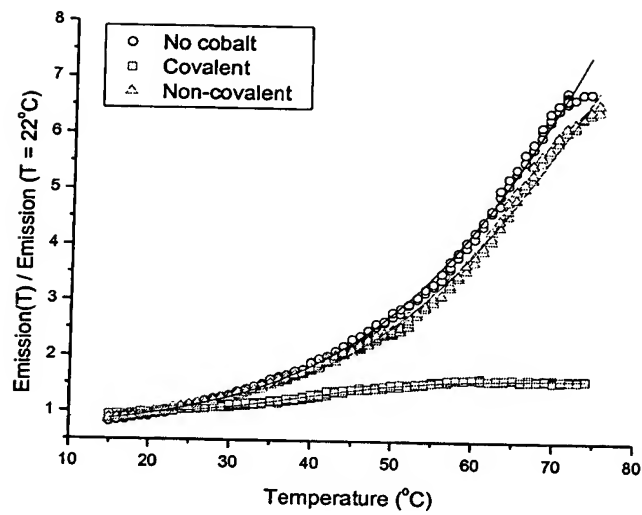
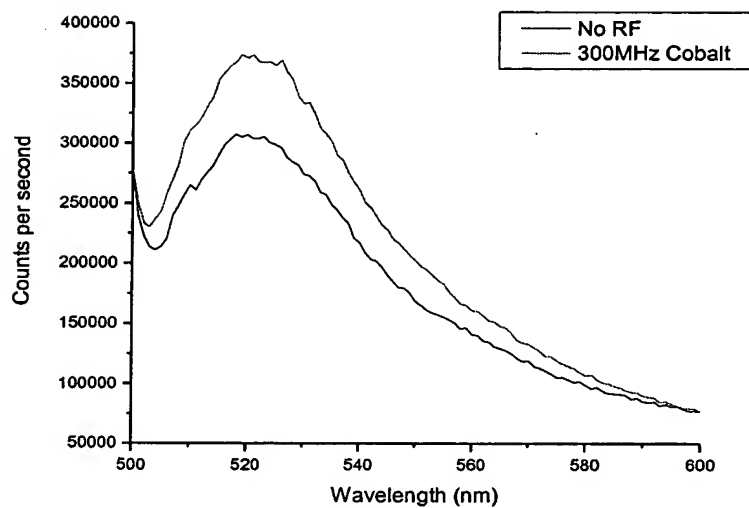


FIG. 16

a)



b)

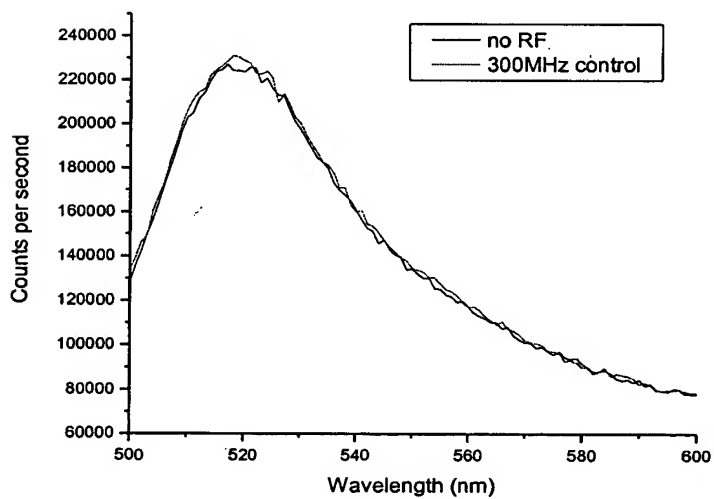
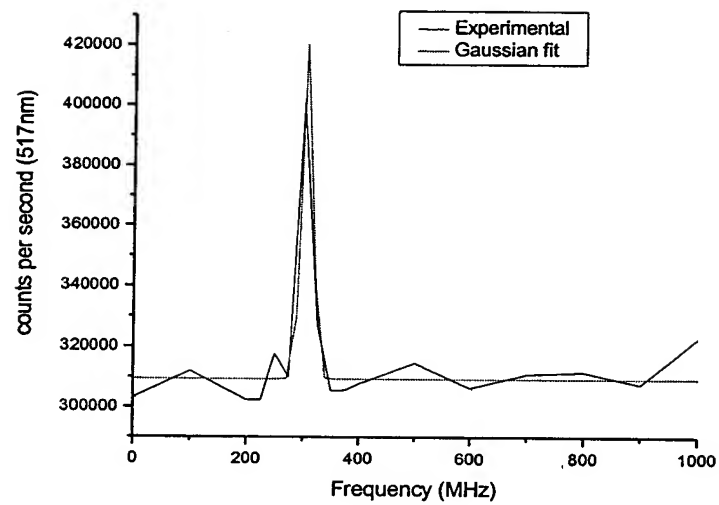


FIG. 17

a)



b)

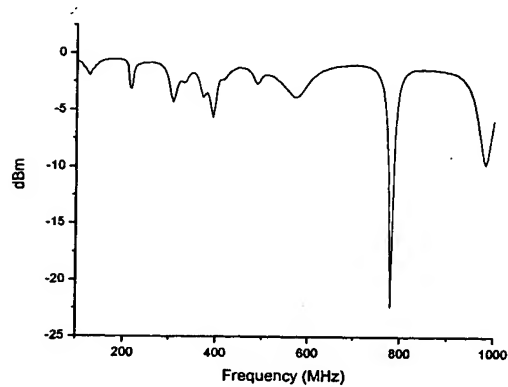


FIG. 18

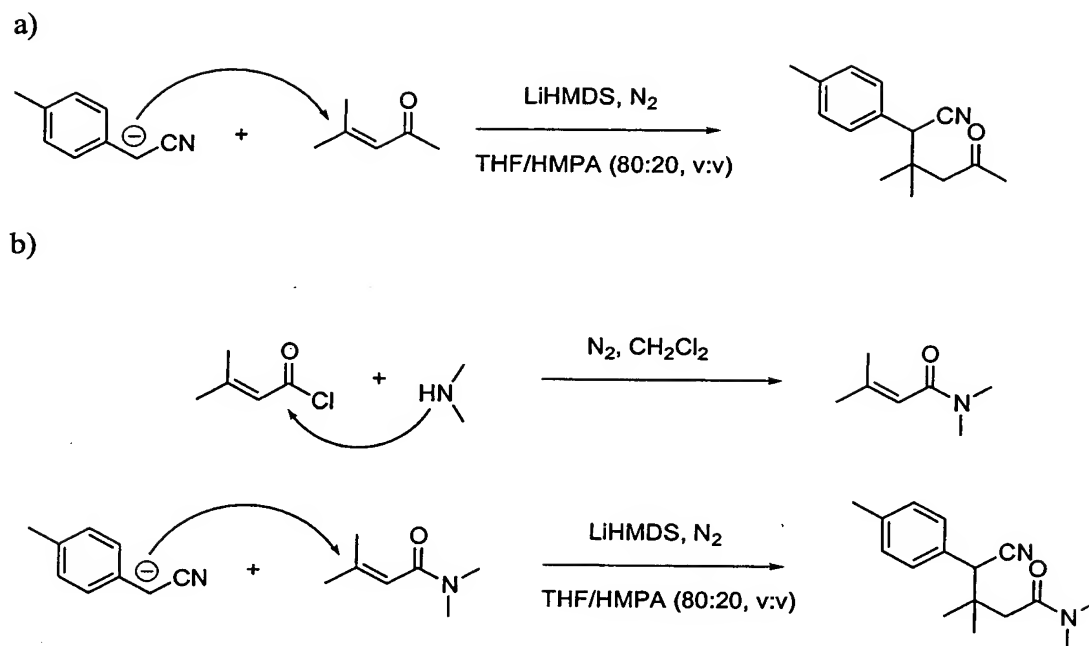
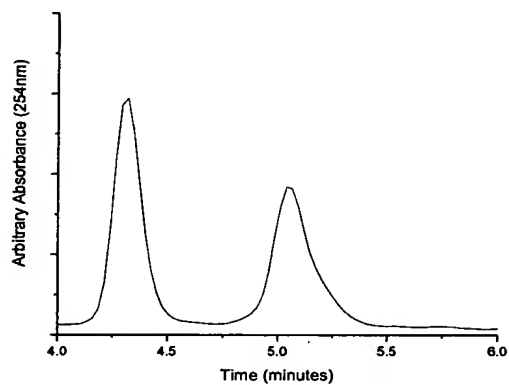


FIG. 19

a) Compound (X) ($\lambda > 290\text{nm}$)



b) Compound (Y) $\lambda = 215\text{nm}$

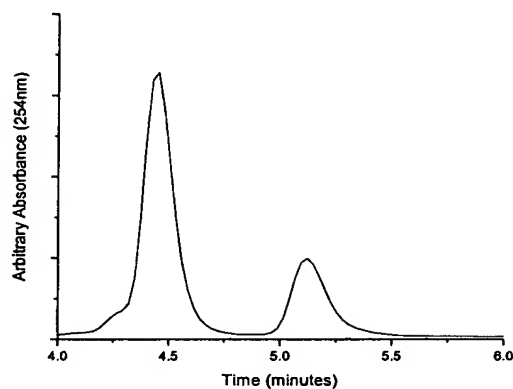
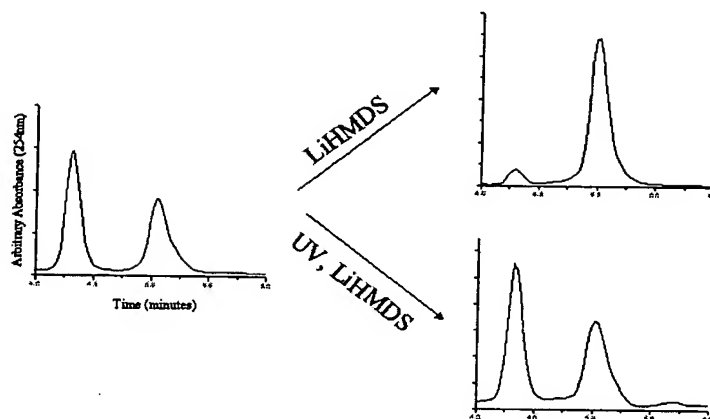


FIG. 20

a) Compound (X)



b) Compound (Y)

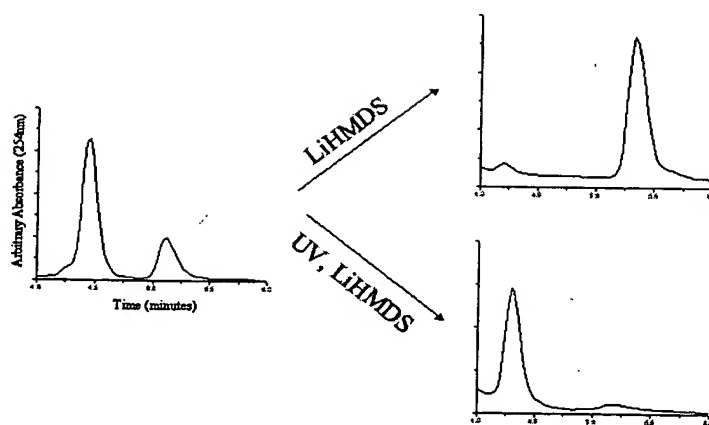


FIG. 21

